



Office of Science Early Career Research Program

Paul Alivisatos

Laboratory Director, Lawrence Berkeley National Laboratory

August 8, 2012

Overview



The DOE/SC Early Career Research Program is an exceptional opportunity to build careers and programs.

Fourth year of an annual DOE program to develop individual research programs with:

- » Outstanding scientists,
- » Early in their careers,
- » Working in areas supported at Berkeley Lab by the DOE Office of Science.

Up to \$10M available for full-time researchers at DOE national laboratories...\$500K per year is minimum (and typical) Lab award.

Highly Competitive ... But LBNL Has Very Strong Record



Year		National Awards		LBNL Awardees
2010	1,750	69	4	Christian Bauer Delia Milliron Feng Wang Feng Yuan
2011	1,150	65	4	Paolo Ferracin Susannah Tringe Junqiao Wu Haimei Zheng
2012	850	68	5	Hank Childs John Dueber Oliver Gessner Daniel Kasen Kevin Wilson

Where to Start



"Read the funding call. Then read it again. Then read it again."

-- DOE Program Manager on how to obtain funding



The fine print can sometimes be confusing...so use lab resources for help.

Funding calls also contain many useful clues about topics of interest to DOE...

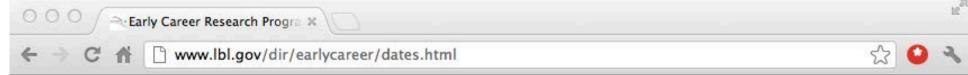
How to get help with the content of your porposal



- Talk to your Division Director
- Seek out a mentor among the senior scientists in your area
- Network with peers and discuss your ideas
- Try to anticipate likely criticisms of your proposal
- Talk with your Division Director

Divisional POC, FundingOps@lbl.gov, and www.lbl.gov/dir/earlycareer can provide information







Early Career Research Program Overview

Divisional Points of Contact

Office of Science Early Career Website

Important Dates

Relevant Links

Lab Specific Instructions for PAMS Account Setup

Town Hall Meeting

Office of Science Early Career Research Program

IMPORTANT DATES FOR BERKELEY LAB APPLICANTS:

Wednesday, August 8, 2012. Paul Alivisatos hosts Town Hall to discuss the Early Career Research Program Thursday, September 6, 2012, 5:00 PM Eastern Time. Pre-proposals due through PAMS system.

Divisions are responsible for certifying (1) applicant's eligibility and (2) that the research ideas submitted in proposals fit within the scope of the Office of Science-funded programs at Berkeley Lab.

October 4, 2012. DOE emails notification to proposers encouraging or discouraging submission of a formal proposal.

Internal Deadlines - Pending for Oct 4 - November 21

Divisions submit Director's memo for signature to FundingOps@lbl.gov (template to be provided to Divisional POCs)

Director's office returns memos to Divisions for inclusion in proposals

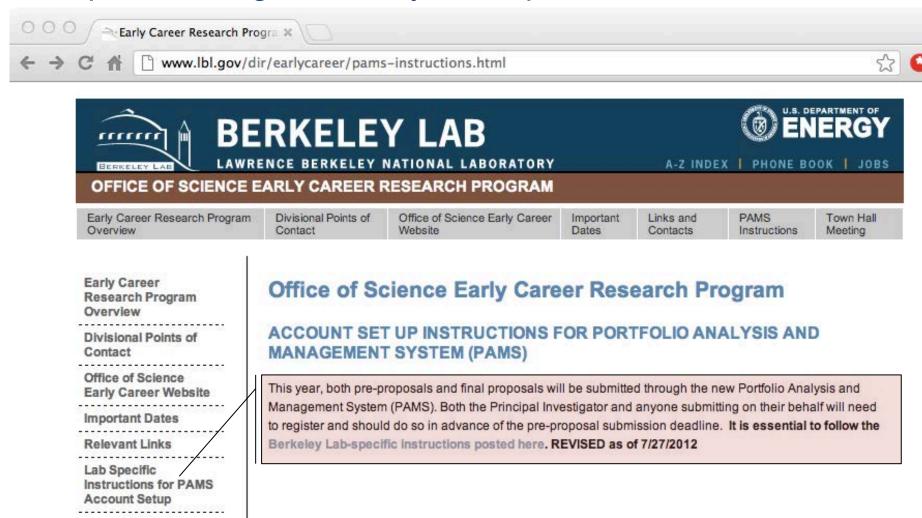
Monday, November 26, 2012, 5:00 PM Eastern Time. Full proposals submitted into PAMS.

New this Year (2013): Proposal Analysis and Management System (PAMS)



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 Very important to follow LBNL-specific instructions at: http://www.lbl.gov/dir/earlycareer/pams-instructions.html



Town Hall Meeting

Who's Eligible to Apply



Berkeley Lab employees who are full-time, non-postdoctoral [within 10 years from Ph.D. (2002)], Career or Career-Track

	Employee Class		
Job Title	Term	Career	
Project Scientist	X (not eligible)	N/A	
Research Scientist	✓ (career track)*	✓ *	
Staff Scientist	✓ (career track)*	✓ *	
Divisional Fellow	✓ (career track)*	✓ *	
Senior Scientist	N/A	✓ *	

^{*}Must be full time and within 10 years of receiving a Ph.D. (2002)

Additional Eligibility Restrictions and Other Important Information



- Pre-proposals are mandatory; full proposals may only be submitted by proposers who are encouraged by DOE.
- Project must be directed and executed by individual investigators.
 - No Co-PIs; avoid paid collaborators.
- Proposed program must dedicate a minimum of 50% and up to 100% of PI's salary.
- One proposal per PI, per competition.
- Lifetime restriction: PI may not participate (submit full proposal) in more than three SC ECRP competitions.
- Pre-proposal research ideas must fit within the scope of SCfunded programs at Berkeley Lab (ask your division management).

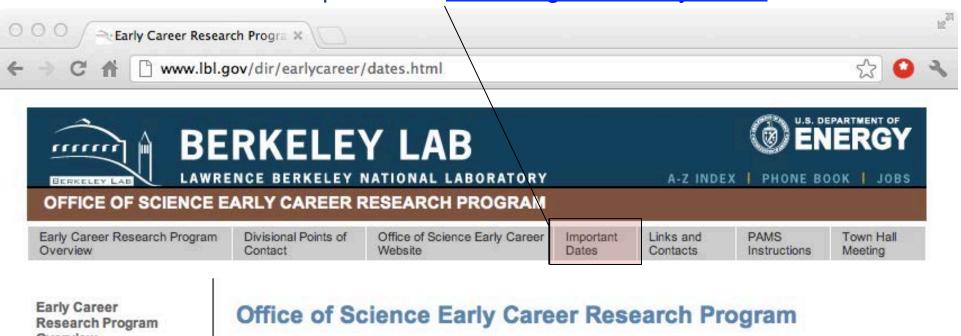
Relevant Dates



- September 6, 2012, 5:00pm Eastern Time
 - Mandatory pre-proposals due to: https://pamspublic.science.energy.gov
- October 4, 2012

Divisional Points of

- Deadline for DOE to email proposers encouraging or discouraging submission of formal proposals
- November 26, 2012, 5:00pm Eastern Time
 - Full, formal proposals due to DOE through PAMS
- Internal deadlines to be posted at: www.lbl.gov/dir/earlycareer



IMPORTANT DATES FOR BERKELEY LAB APPLICANTS:

Divisional and Area Points of Contact are Ready to Help You



Division	Point of Contact	Email
Accelerator and Fusion Research	Glenna Rogers	GJRogers@lbl.gov
Advanced Light Source	Linda Griffin	LGriffin@lbl.gov
Computing Sciences Area	Esmond Ng	EGNg@lbl.gov
Chemical Sciences	Angela Gill	AAGill@lbl.gov
Lab Directorate	Kristin Balder-Froid et. al.	FundingOps@lbl.gov
Environmental Energy Technologies	Robert Kostecki	R_Kostecki@lbl.gov
Engineering	Madonna Fricken	MRFricken@lbl.gov
Earth Sciences	Lisa Kelly	LMKelly@lbl.gov
Genomics/JGI	John Schiappacasse	JKSchiappacasse@lbl.gov
Life Sciences	Karen Dickinson-Mazzei	KDickinson@lbl.gov
Materials Sciences	Sally Nasman	SFNasman@lbl.gov
Nuclear Science	Jeremy Coyne	JDCoyne@lbl.gov
Physical Biosciences	Susan Gardner	SBGardner@lbl.gov
Physics	Miho Komai	MRKomai@lbl.gov
Office of Chief Financial Officer	Anastasia Schiller	aeschiller@lbl.gov
Office of Chief Financial Officer	Lauren Zickfeld	lzickfeld@lbl.gov
Public Affairs	Ross Lyon	rlyon@lbl.gov



- Kevin Wilson, Genomics Division/Joint Genome Institute
 - "Free Radical Reactions of Hydrocarbons at Aqueous Interfaces"
- Susannah Tringe, Genomics Division/Joint Genome Institute
 - "Microbial communities in biological carbon sequestration"
- Haimei Zheng, Materials Sciences Division/National Center for Electron Microscopy
 - "Real Time TEM Imaging of Materials Transformations in Liquid and Gas Environments"
- Christian Bauer, Physics Division
 - "GENEVA: An NLO event generator for the Large Hadron Collider"
- Feng Yuan, Nuclear Science Division
 - "Theoretical Investigation of Nucleon Structure"
- Feng Wang, UCB Physics/LBNL MSD
 - "Control Graphene Electronic Structure for Energy Technology" (UCB Award)